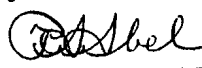


RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s) <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Sec. 4, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" 13 (083-00451)</p> <p><u>Sec. 5, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" (See attached list)</p> <p><u>Sec. 6, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 7, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 18, T. 8N, R. 32W S.B. B&M</u> (Field Santa Barbara Co.) "Los Alamos" 200 (083-20412)</p> <p><u>Sec. 18, T. 9N, R. 32W S.B. B&M</u> "Williams Holding Co." C.H. 1 & C.H. 3</p> <p><u>Sec. 30, T. 9N, R. 32W S.B. B&M</u> "Fugler" (See attached list)</p> <p><u>Sec. 31, T. 9N, R. 32W S.B. B&M</u> "Drumm", "D-WF", Gwinn Fee", "Los Alamos", "Williams Holding", "Williams Recruit" (See attached list)</p> </div> <div style="width: 48%;"> <p><u>Sec. 32, T. 9N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-1)" 1 & 3</p> <p><u>Sec. 1, T. 8N, R. 33W S.B. B&M</u> "Los Alamos" (See attached list)</p> <p><u>Sec. 12, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list)</p> <p><u>Sec. 13, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list)</p> <p>"Standard" 1 (083-01397)</p> <p><u>Sec. 23, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123)</p> <p><u>Sec. 24, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "GWP-RF", "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843)</p> <p><u>Sec. 25, T. 9N, 33W S.B. B&M</u> "G.W.P." 367-24 (083-22114)</p> </div> </div>			
SEE PAGE 2			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	


OPERATOR STATUS ABBREVIATIONS

FORM AND RECORD CHECK LIST

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active				Map and Book	PA	
PI - Potential Inactive	Form OGD121	CB	7/21/10	Lease Files	CB	7/21/10
NPI - No Potential Inactive	Well records	CB	7/21/10	Well Stat	CB	
Ab - Abandoned or No More Wells	New well cards			District Computer Files	CB	7/21/10
PAA:cb	Bond Status					
cc: ERG Operating Co. LLC	Annual Report	CB	7/21/10			
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<p>Sec. 1, T. 8N, R. 33W S.B. B&M "Climax" 1 (083-00380) Sec. 25, T. 9N, R. 33W S.B. B&M "GWP-RF" (See attached list) "Recruit Fee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding", "Williams Holding Co." 1 (083-00729), "Williams Recruit" 2 & 3 (See attached list) Sec. 36, T. 9N, R. 33W S.B. B&M "D-WF" 382 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-21126), "WH-LA" 308 (083-21003) "Williams Fee", "Williams Holding" 368-25 (083-22122)</p> <p>SEE ATTACHED LIST FOR LISTING OF ALL WELLS INCLUDED IN TRANSFER.</p>			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC.			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

OPERATOR STATUS ABBREVIATIONS


PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121	CB		Map and Book		
PI - Potential Inactive	Well records	CB		Lease Files	CB	
NPI - No Potential Inactive	New well cards			Well Stat	CB	
Ab - Abandoned or No More Wells	Bond Status			District Computer Files	CB	
PAA:cb	Annual Report	CB				
cc: ERG Operating Co. LLC						
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county See below		District: 3 - SANTA MARIA	
Former owner ChevronTexaco Exploration & Production Company		Opcode:	Date September 23, 2005
Name and location of well(s)			
All Wells			
Description of the land upon which the well(s) is (are) located All wells			
Date of transfer, sale, assignment, conveyance, or exchange 7-11-2005	New Owner Chevron U.S.A. Inc.	Operator code C5640	Type of Organization Corp.
	Address PO Box 1392 Bakersfield, CA 93302		Telephone No. (661) 654-7065
Reported by ChevronTexaco Exploration & Production Company			
Confirmed by Chevron U.S.A. Inc.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks THIS IS A NAME CHANGE ONLY Includes abandoned wells		
Deputy Supervisor William E. Brannon		Signature 	

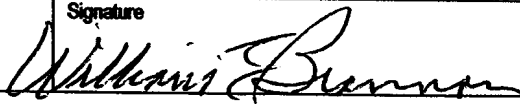
OPERATOR STATUS ABBREVIATIONS

	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
PA - Producing Active						
NPA - No Potential Active	Form OGD121	W	9/23/05	Map and Book	W	9/23/05
PI - Potential Inactive	Well records	W	9/23/05	Lease Files		
NPI - No Potential Inactive	New well cards			Well Stat	W	9/23/05
Ab - Abandoned or No More Wells	Bond Status	W	9/23/05	District Computer Files		
WEB:hc						
cc: ChevronTexaco E&P Co.						
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee
Harold Bertholf

Transfer File
HQ

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cal Canyon		District 3 - SANTA MARIA	
Former owner Texaco Exploration & Production Inc.		Opcode: T1600	Date November 22, 2002
Name and location of well(s)			
<u>Sec. 5, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 7, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 2, T. 9N, R. 33W, SB B&M</u> *All Wells	
<u>Sec. 6, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 30, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 3, T. 9, R. 33W, SB B&M</u> All Wells	
<u>Sec. 7, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 31, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 10, T. 9N, R. 33W, SB B&M</u> All Wells	
<u>Sec. 16, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 32 T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 11, T. 9N, R. 33W, SB B&M</u> All Wells	
<u>Sec. 12, T. 8N, R. 33W, SB B&M</u> All Wells	<u>Sec. 1, T. 8N, R. 33W, SB B&M</u> All Wells	<u>Sec. 12, T. 9N, 33W, SB B&M</u> All Wells	
<u>Sec. 6, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 1, T. 9N, R. 33W, SB B&M</u> *All Wells	<u>Sec. 13 T. 9N, R. 33W, SB B&M</u> All Wells	
Description of the land upon which the well(s) is (are) located			
Date of transfer, sale, assignment, conveyance, or exchange 08-22-02	New Owner ChevronTexaco Exploration & Production Company	Operator code C5680	Type of Organization Corp.
	Address 5001 California Ave. Bakersfield, CA 93309		Telephone No. (661) 395-6445
Reported by Texaco Exploration & Production Inc.			
Confirmed by ChevronTexaco Exploration & Production Co.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks		
Deputy Supervisor William E. Brannon		Signature 	

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active						
PI - Potential Inactive	Form OGD121	HC	11-02	Map and Book	PHH	11-02
NPI - No Potential Inactive	Well records	DM	11-02	Lease Files		
Ab - Abandoned or No More Wells	New well cards	DN	11-02	Well Stat	HC	
WEB:hc	Bond Status			District Computer Files		
cc: Cons. Committee						
Harold Bertholf						

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
(805) 937-7246

REPORT OF WELL ABANDONMENT

Santa Maria, California
April 7, 1993

R. A. Baumgartner, Agent
Texaco E & P Inc.
Star Route, Box 42
San Ardo, CA 93450

Your report of abandonment of well "Los Alamos" 1-7,
A.P.I. No. 083-21129, Section 7, T. 8N, R. 32W, SB B. & M.,
Cat Canyon field, Santa Barbara County,
dated July 14, 1992, received July 20, 1992, has been examined in
conjunction with records filed in this office, and we have determined that
all of the requirements of this Division have been fulfilled.

Date of environmental inspection: April 7, 1993.

RAB:ks

cc: Update
Conservation Committee

William F. Guerard, Jr.
Acting State Oil and Gas Supervisor

By William E. Brannon
Deputy Supervisor

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COMPANY TEPI WELL NO. "Los Alamos" 1-7
API NO. 083-21129 Sec. 7, T. 8N, R. 32W, SB B.&M.
COUNTY Santa Barbara, FIELD Cat Canyon

STATUS

(Date)

ok

Records Approved JRC / 8-14-92

Hole is filled w/ water. 1/12/93 Daily/Roller/Abel No bubbles observed in and around location of

44

asking OK to restore location

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUL 10 1992
SANTA MARIA, CA

History of Oil or Gas Well

Operator TEXACO EXPLORATION & PRODUCTION, INC. Field Cat Canyon County Santa Barbara
Well Los Alamos #1-7, Sec. 7, T 8N, R 32W, S.B. B. & M.
A.P.I. No. 083-21129 Name W. G. WELCH Title AGENT
Date July 14, 1992

Signature W. G. Welch

26251 Highway 33, Fellows, CA 93224

(805)768-4357

(Address)

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

- 05/13/92 M.I.R.U. Pumped 100 bbls. of 71# mud down well at 700#. Bled well off slowly. Installed B.O.P. and working floor. R.I.H. with 5-3/4" impression block on 2-7/8" tubing. Stopped at 2,141'. P.O.O.H. with block. Showed collapsed casing on one side to 5-1/2". R.I.H. with 3-1/2" tubing collar measuring 4 1/2" O.D. It went through bad spot with slight restriction from 2,141' to 2,143'. Pulled tubing to 659'. Closed well in, shut down.
- 05/14/92 Opened well. P.O.O.H. with kill string. Made up and ran 5-1/16" swage, bumper sub, accelerator, jars, and 6 - 4-3/4" drill collars. Stopped at 2,141'. Swaged out casing to 2,145'. Stopped making progress. Tools starting to bend. P.O.O.H. with tools laying down. Found swage bent. Ran in hole with sawtooth collar. Tagged top of fish at 2,532'. D.O.G. approved cement job from this depth. Pulled tubing to 1,940'. Closed well in, shut down.
- 05/16/92 Opened well. R.I.H. to top of fish at 2,532'. Pumped 195 cu.ft. class "C" cement and displaced to top of cement at 1,650' with 53.6 cu.ft. of mud. Pulled tubing to 1,000'. Filled hole and squeezed 50 cu.ft. with final pressure of 420#. Closed well in, shut down.
- 05/18/92 Opened well. R.I.H. and tagged top of cement at 2,043'. Pumped 40 bbls of 72# mud and displaced to top of mud at 1,027' with 33.4 cu.ft. water. Pulled tubing to 1,027'. Pumped 39 cu.ft. class "C" cement and displaced to top of cement at 851' with 27.6 cu.ft. water. Pulled tubing to 821'. Pumped 40 bbls of 72# mud to surface. D.O.G. witnessed and approved. Removed working floor and B.O.P. R.I.H. with tubing to 100'. Circulated out mud. Pumped class "C" cement to surface. P.O.O.H. Topped off hole with cement. Used a total of 29 cu.ft. cement. D.O.G. waived witness. Loaded out equipment, cleaned location. R.D.M.O. Cut off casing 5' below ground level. Weld on steel cap with well number, section, township, and range. Cleaned location for D.O.G. final approval.

MAP NO.	MAP LETTER	BOND NO.	114	121
				7-92 mgc

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DIVISION OF OIL AND GAS

(805) 937-7246

REPORT ON OPERATIONS

Wayne G. Welch, Agent

Texaco E&P Inc.

6251 Hwy, 33

ellows, CA 93224

Santa Maria, California

May 27, 1992

Your operations at well "Los Alamos" 1-7 API No. 083-21129
Sec. 7, T. 8N, R. 32W, SB B.&M. Cat Canyon Field, in Santa Barbara
County were witnessed on 5-21-92. J.R. Carnahan, representative
of the supervisor, was present from 1100 to 1130. There were also
present K. Olson, Abandonment Supervisor.

Present condition of well: 20" cem. 50'; 10-3/4" cem. 449'; 7" cem. 4267'
WSO, cp 1887', 2172', & 2630', perf. 4251' WSO, perf @ int. 2221'-2612', bad
2141'-2145'; 5-1/2" ld. 4184'-5642', perf. 4267'-5637'. Junk: tbg. & packer
below 2532'. T.D. 5750'. Plugged w/cem. 5749'-5650', w/50 cf cem below
2532' & w/cem. 2532'-2043', 1027'-851'±, & 100'-3'.

The operations were performed for the purpose of plugging the well in the
process of abandonment.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JRC:mjn

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K. P. HENDERSON, Acting Chief

By William E. Branna
Deputy Supervisor

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

1392-177a

Operator TEPI Well No. "Los Alamos" 1-7
API No. 083-21129 Sec. 7, T. 8N, R. 32W, SB B&M
Field Cat Canyon, County Santa Barbara. On 5-21-92
Mr./Ms. J. R. Carnahan, representative of the supervisor, was present from 1100 to 1130.
There were also present K. Olson, Abandonment Supervisor

Casing record of well: 20" cem 50'; 10 3/4" cem 449'; 7" cem 4267' WSO, sp 1987', 2172', 2630', perf 4251' WSO, perf @ int. 2221'-2612', bad 2141'-2145'; 5 1/2" id 4184' - 5642', perf 4267'-5637'. Junk below 2532'. TO 5750'. Plugged w/ cem 5749' - 100'-3'.

The operations were performed for the purpose of (1) - abandonment
5650', W/ 50 cf cem below 2532' & W/ cem 2532'-2043', 1027'-851 1/2', & 100'-3'.

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Bad spot in csg 4 1/2" ID @ 2141' - 2145'

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____ " shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): Pkr @ 2547' 15' + bog fr 2547' - 2532'

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
72#	5-18-92	40	Tbg @ 2040'	~	To 1027'±	J. Carnahan
72#	5-18-92	32	Tbg @ 820'±	~	To Surface	J. Carnahan

"C"

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Wt./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
5/15	195	+bog @ 2532	1045	PA	2043'	All Tbg. wt.	5/18/92 @ 0900	J. Carnahan
5/18/92	39cf	Tbg @ 1027'	1034	J. Carnahan	851'±	(Calculated)		J. Carnahan
5/18/92	29cf	Tbg @ 100'	~	Reported by K. Olson	3'	Visual	5/21/92 @ 1100	J. Carnahan

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MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION

Santa Maria, Calif.

May 14, 1992

Operator TEP1

Well No. "Los Alamos" 1-7

Field Cat Canyon, Sec. 7 T. 8N R. 32W., S.B. B&M
~~personal~~

A telephone conversation was held, concerning above well, with Mr. Kenny

Olsen for above operator on May 13 & 14 1992 at — M.

Details of the conversation were as follows:

Koller / C. McDaniel 5/13/92

1. Pulled packer up to bad spot @ 2140'± could not pull through. Ran back to fill and set again @ 2547'.
2. Shot off tbg @ 15'± above packer, recovered tubing string.
3. Can't get back with fishing tools to packer.
4. Will try to swage bad spot and recover junk tubing and packer.

Koller / Olsen

1. Tools hanging up @ 2141' then 2144'. Acting like an S turn.
2. Tools and bumper sub bent. Afraid will lose swage in hole at bad spot.
3. A mill would probably go outside casing.
4. Will try to run tubing to top of cement, place extra cement, and down squeeze to cover all of Siquor perms. Won't be able to tell where cement goes if any goes below packer.
5. D.O.B. to witness placement (Signed) Al Koller
 and Squeeze + loc. and hardware Title AOBE
 of cement at 2072' or higher.

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 392-132
Field Code _____
Area Code _____
New Pool Code _____
Old Pool Code _____

PERMIT TO CONDUCT WELL OPERATIONS

Wayne G. Welch, Agent
Texaco E&P Inc.
26251 Hwy, ee
Fellow, CA 93224

Santa Maria, California
May 7, 1992

Your _____ proposal to abandon well "Los Alamos" 1-7 _____,
A.P.I. No. 083-21129, Section 7, T. 8N, R. 32W, SB B.&M.,
Cat Canyon field, _____ area, _____ pool,
Santa Barbara County, dated 5-6-92, received 5-6-92, has been
examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to Class II 2M requirements is installed and maintained in operating condition at all times.
3. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
4. THIS DIVISION IS NOTIFIED:
 - a. To witness the location and hardness of the cement plugs at 4084' and at 2072'.
 - b. To witness the mudding of the well.
 - c. To witness the placing of the cement plug from 1025' to 925'.
 - d. To witness the placing of the surface plug or to verify its location.
 - e. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
AJK:mjn

Engineer Al Koller
Phone (805) 937-7246

K.P. HENDERSON, Acting Chief

By William E. Brannon
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well Los Alamos 1-7, API No. 083-21129, Sec. 7, T. 8N, R. 32W, SB B. & M., Cat Canyon Field, Santa Barbara County, commencing work on 2nd Quarter, 19 92.

The present condition of the well is: Idle

1. Total depth 5642'
2. Complete casing record, including plugs and perforations (present hole) 10-3/4 40.5# 0-449'
7" 23# 0-4267' perf 2221'-2612' 4-1/2 HPF
5-1/2" 17# 4184'-5642' perf 4265-5642
250m, 2"s, 6"C, 16R
3. Last produced 6/3/78 3 93
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)
or
4. Last injected 5/7/80 2050 920
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
6. Stratigraphic markers
7. Formation and age at total depth
8. Base of fresh water sands 975'

9. Is this a critical well according to the definition on the reverse side of this form? ☐ Yes ☒ No

The proposed work is as follows:

- 1) Retrieve packer set @ 2547'.
- 2) Clean out fill to 4367' minimum.
- 3) Fill hole with abandonment mud from clean out depth to 4367'.
- 4) Lay a cement plug from 4367' to 4084'.
- 5) Lay a cement plug from 2321' to 2072'.
- 6) Lay a cement plug from 1025' to 925'.
- 7) Lay a cement plug from 100' to surface.
- 8) Cut off casing 5' below ground level. Weld on steel plate with well number, section, township, and range.

RECEIVED
MAY 6 1992
SANTA MARIA, CA

Note: All areas between cement plugs to be filled with 9.6# mud with 20#/100 sq ft gel strength.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 6085 Cat Cat Canyon Road
(Street)
Santa Maria Ca 93454
(City) (State) (Zip)
Telephone Number (805) 937-7216
(Area Code) (Number)

Texaco Exploration and Production Inc.
(Name of Operator)
By P. M. SHIELDS
(Print Name)
P. Shields 5-6-92
(Signature) (Date)

LOS ALAMOS 1-7 ABANDONMENT

5/5/92

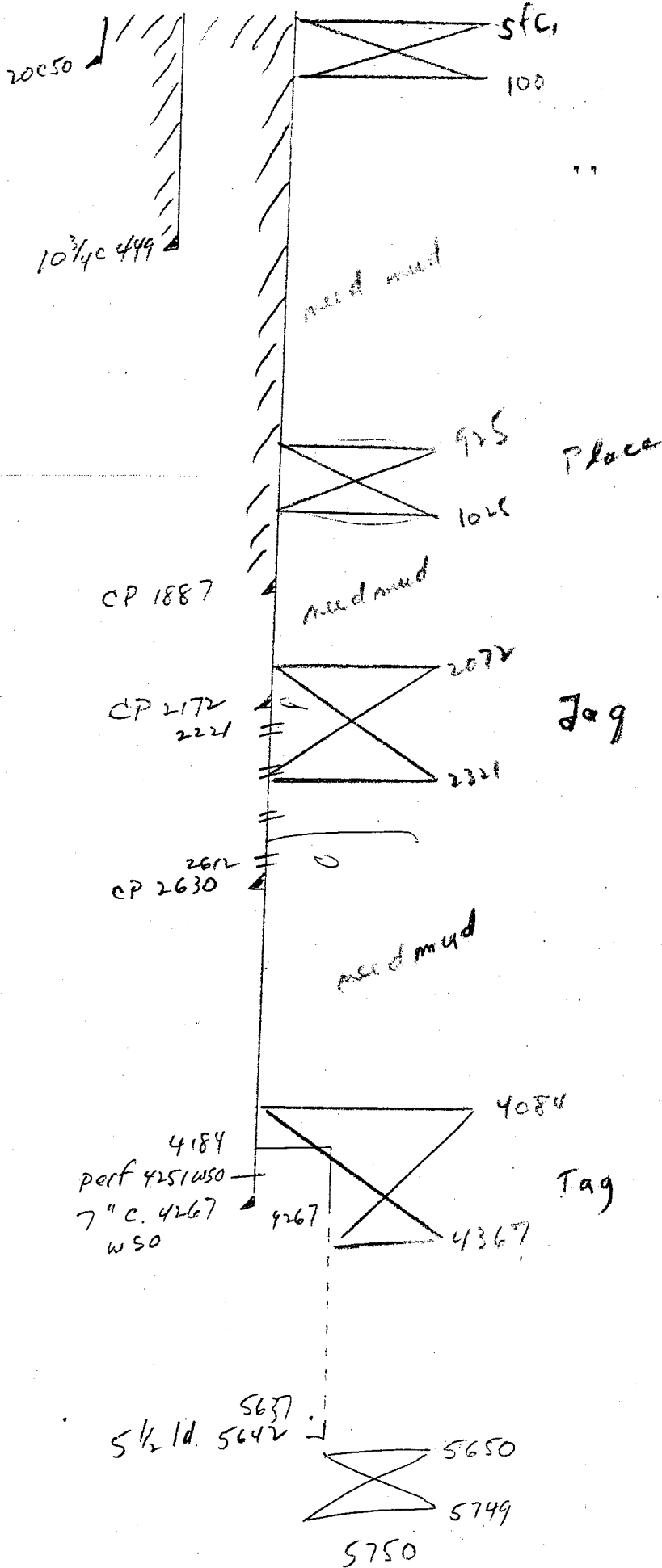
DEPTH: 5750' Plugged depth 5650 (cement)

CASING: 20" conductor 0-50'
10-3/4" 40.5# 0-449'
7" 23# 0-4267' perfs 2221-2612' 4- 1/2'HPF
LINER: 5-1/2" 17# 4184-5642' perfs 4265-5642
250M, 2"S, 6"C, 16R

REMARKS: Baker packer is set at 2547' Attempts were made to pull packer but tight spot in casing at 2133' prevents it from coming.

- 1) MIRU a production hoist circulation pump with pit and a tested work string of tubing. Install a class II 2M BOP and function test same.
- 2) RIH with a confusion block and determine the maximum tool O.D. that will pass to the top of the fish at 2532' (tight spot at 2133').
- 3) RIH with a string mill or swage and open the casing to size for the Baker Lockset packer to pass. RIH with an overshot and recover the packer set at 2547'.
- 4) RIH with open ended tubing and clean out any fill to 5642' (4367' is the minimum depth is hard fill is present). DOG to approve clean out depth. Pump abandonment mud (9.6# with 20 #/sqft gel strength) from clean out depth to 4367'.
- 5) Pull tubing to 4367' and lay a 64 cuft cement plug. Pull to 3500' WOC. RIH and tag the cement at 4084' or above. NOTE: DOG to witness and approve tagging cement. With tubing at top of cement, pump abandonment mud up to 2612'.
- 6) Pull tubing to 2612', and lay a 155 cuft cement plug. Pull to 1600' WOC. RIH and tag cement at 2072' or above, DOG to witness and approve. With tubing at top of cement, pump abandonment mud to 1025'.
- 7) Pull tubing to 1025' and lay a cement plug from 1025' to 925' (22 cu ft). Pull to 915' and reverse circulate to clear tubing. DOG to witness placing of cement plug. With tubing at 915' pump 32 bbls of abandonment mud.
- 8) Pull tubing to 100' and lay a cement plug to surface with 23 cu ft. DOG to witness placing of cement plug. Rig down and move out rig.
- 9) Cut casing 5' below grade and weld on a plate with well number section township and range.

TEP1
 "Los Alamos" 1-7



SONIC FLUID
LEVEL SUMMARY

COMPANY : TEXACO
AREA : CAT C.

DATE	WELL #	FOP	BFW	F LEVEL	CP	COMMENT
1/6/89	LOS ALAMOS 63	0	1100	1395	1	STATIC TEST
1/6/89	LOS ALAMOS 66	0	1100	1302	1	STATIC TEST
1/6/89	LOS ALAMOS 93	0	960	465	50	TBG MASKS ACTUAL F.L.?
1/6/89	LOS ALAMOS 73	0	1130	310	0	TBG MASKED ACTUAL F.L.?
1/6/89	LOS ALAMOS 90	0	970	1705	0	STATIC TEST
1/6/89	LOS ALAMOS 72	0	950	1829	130	STATIC TEST
1/6/89	LOS ALAMOS 94	0	980	248	165	INCONCLUSIVE-TBG MASK F.L
1/6/89	LOS ALAMOS 106	0	1120	124	1	STATIC TEST
1/6/89	LOS ALAMOS 88	0	1100	961	0	STATIC TEST
1/6/89	LOS ALAMOS 20	0	1100	868	12	STATIC TEST
1/6/89	LOS ALAMOS 23	0	1060	2852	10	STATIC TEST
1/6/89	LOS ALAMOS 64	0	1060	1840	10	STATIC TEST
1/6/89	LOS ALAMOS 8-X	0	1120	2232	600	STATIC TEST
1/6/89	LOS ALAMOS 28	0	1000	80	5	QUESTIONABLE?
1/6/89	LOS ALAMOS 19	0	1080	930	50	STATIC TEST
1/6/89	LOS ALAMOS 27	0	920	3069	75	STATIC TEST
1/6/89	LOS ALAMOS 68	0	850	93	1	STATIC TEST
1/6/89	LOS ALAMOS 104	0	650	310	75	STATIC TEST
1/6/89	LOS ALAMOS 158	0	750	0	140	OIL TO SURFACE
1/6/89	LOS ALAMOS 157	0	980	2760	170	STATIC TEST
1/6/89	LOS ALAMOS 29	0	1160	217	4	STATIC TEST
1/6/89	LOS ALAMOS 31	0	1020	605	12	STATIC TEST
1/6/89	LOS ALAMOS 100	0	710	527	4	STATIC TEST
1/6/89	LOS ALAMOS 44	0	770	0	30	OIL TO SURFACE
1/6/89	LOS ALAMOS 103	0	660	589	480	STATIC TEST
1/6/89	LOS ALAMOS 52	0	760	0	80	OIL TO SURFACE
1/6/89	LOS ALAMOS 49	0	750	961	235	STATIC TEST
1/6/89	LOS ALAMOS 55	0	710	682	5	STATIC TEST
1/6/89	LOS ALAMOS 53	0	765	0	155	OIL TO SURFACE
1/6/89	LOS ALAMOS W.D.1	0	750	0	310	OIL TO SURFACE ✓
1/6/89	LOS ALAMOS 39	0	690	496	1	STATIC TEST
1/6/89	LOS ALAMOS 71	0	910	31	60	STATIC TEST
1/6/89	LOS ALAMOS 155	0	780	620	35	STATIC
1/6/89	LOS ALAMOS 150	0	740	1612	25	STATIC TEST
1/6/89	LOS ALAMOS 1-7	0	950	0	170	OIL TO SURFACE ✓

DIVISION OF OIL AND GAS

Report on Operations

(805) 925-2686

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria

Calif.

June 15, 1982

Your operations at well "Los Alamos" 1-7, API No. 083-21129
Sec. 7, T. 8N, R. 32W, SB B. & M. Cat Canyon Field, in Santa Barbara County,
were witnessed on 6-10-82 D. Clark, representative of
the supervisor, was present from 0915 to 1130. There were also present D. Byrd -
Production Foreman

Present condition of well:

The operations were performed for the purpose of witnessing a pressure fall-off survey to
determine whether or not pressure in the project area is at or below hydrostatic
pressure.

DECISION: Operations are not approved as indicating that pressure in the project
area is at or below hydrostatic.

NOTE: To determine whether or not the area of skin effect is responsible for no fall-
off, the well must be treated and re-tested as soon as possible, but not later than
July 30, 1982.

Letter 8/2/82
Getty ceased injection 7/30/82
See project file

DRC:dv

cc: Deficiencies and Violations

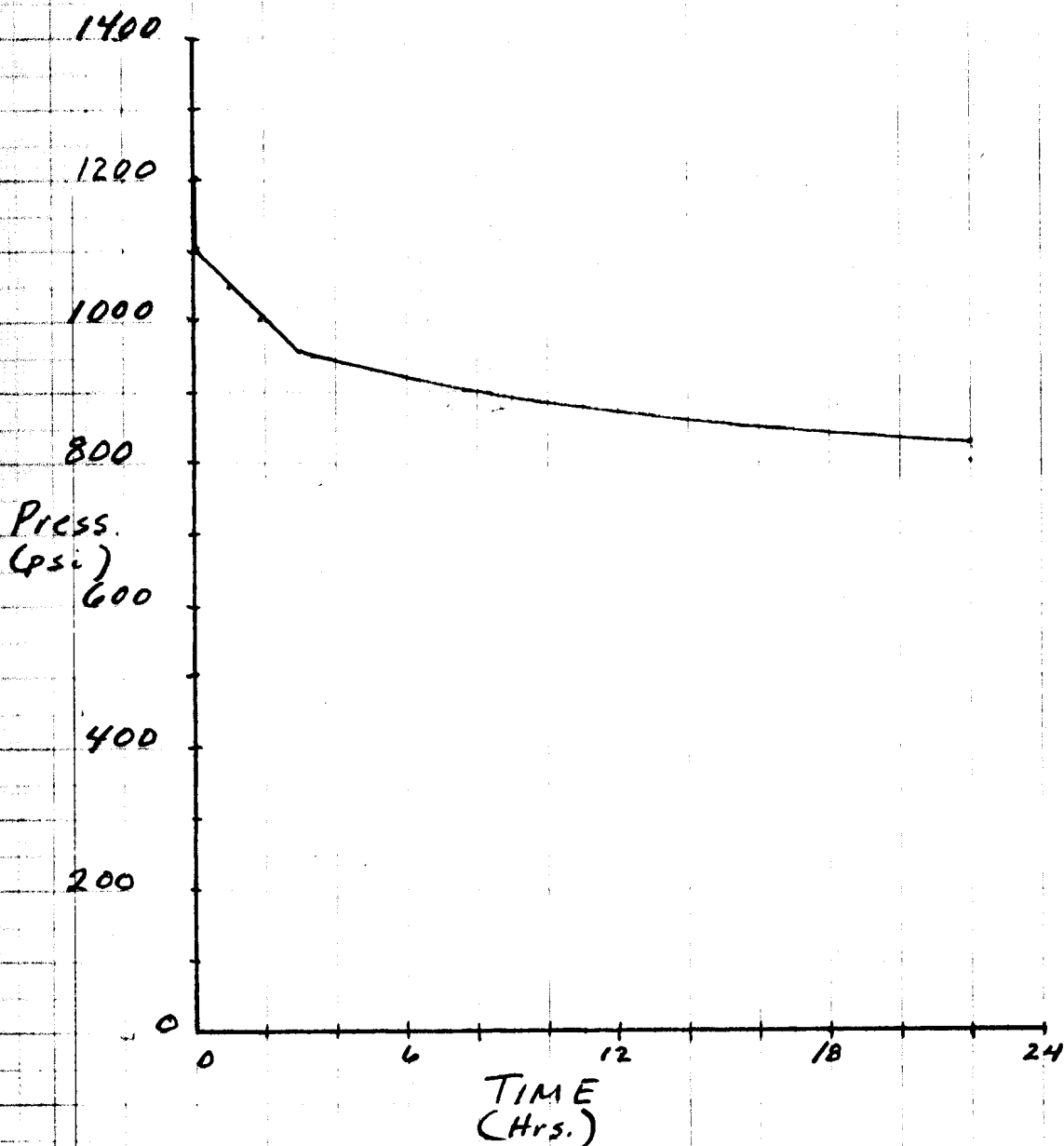
OG109(12-80 15M)

34
M. G. MEFFORD
State Oil and Gas Supervisor
By *John L. Zulberti*
Deputy Supervisor
John L. Zulberti

David R. Clark - Div. Oil & Gas
Duncan Byrd - Getty Prod. Foreman

June 10, 1982
Cat Canyon Field
West Area
S1a-S5, Monterey
"Los Alamos" 1-7

Pressure Fall-off Survey



DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

301 WEST CHURCH STREET, P. O. BOX 227

SANTA MARIA, CALIFORNIA 93454

(805) 925-2686



May 10, 1982

R. O. Callaway, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

Water Disposal Project
West Area
S_{1a} - S₅ and Monterey Zone
Wells "Los Alamos" 1-7 and 158

Injection project approval letter dated February 29, 1980, Item 9, provided for static pressure in the project area not to exceed hydrostatic pressure, and for injection pressures not to exceed zone fracturing pressure.

For the Ventura Basin and coastal fields, Table 1 on page 805 of the August 1968 issue of the Journal of Petroleum Technology shows a range of average fracture gradients with depth; for coastal fields, an average fracture gradient of .7 psi/ft. will be used as a basis.

Recent inspections made on April 19, for well "Los Alamos" 158 and May 5, 1982 for "Los Alamos" 1-7 show that surface injection pressures greatly exceed the .7 psi/ft. gradient, even after subtracting friction flow losses.

If pressure fall-off surveys demonstrate that injection zone pressure does not exceed hydrostatic pressure and if you do not wish to reduce injection rates to produce an acceptable gradient, please consider determining the actual fracture gradient by means of a step-rate test or acidizing the well to increase injectivity.

Please contact Al Koller of this office about alternatives and other considerations having a bearing on this matter and about arrangements for witnessing these operations within thirty days of the date of this letter.

A handwritten signature in cursive script, reading "John L. Zurberti".

John L. Zurberti
Deputy Supervisor

JLZ:dv

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DIVISION OF OIL AND GAS
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Getty Oil Company Well No. "Los Alamos" 1-7
 API No. 083-21129 Sec. 7, T. 8N, R. 32W, S.B. B.&M.
 County Santa Barbara Field Cat Canyon

RECORDS RECEIVED

DATE

Well Summary (Form OGI00) 6-5-80
 History (Form OGI03) 6-5-80
 Core Record (Form OGI01) _____
 Directional Survey _____
 Sidewall Samples _____
 Other _____
 Date final records received _____
 Electric logs: _____

STATUS

STATUS

Producing - Oil	_____	Water Disposal	<input checked="" type="checkbox"/>
Idle - Oil	_____	Water Flood	_____
Abandoned - Oil	_____	Steam Flood	_____
Drilling - Idle	_____	Fire Flood	_____
Abandoned - Dry Hole	_____	Air Injection	_____
Producing - Gas	_____	Gas Injection	_____
Idle - Gas	_____	CO ₂ Injection	_____
Abandoned - Gas	_____	LPG Injection	_____
Gas-Open to Oil Zone	_____	Observation	_____
Water Flood Source	_____		
DATE	<u>4/2/80</u>		
RECOMPLETED	_____		
REMARKS	_____		

ENGINEER'S CHECK LIST

CLERICAL CHECK LIST

1. Summary, History, & Core record (dupl.) ☒
2. Electric Log ☒
3. Operator's Name ☒
4. Signature ☒
5. Well Designation ☒
6. Location ☒
7. Elevation ☒
8. Notices ☒
9. "T" Reports ☒
10. Casing Record ☒
11. Plugs ☒
12. Surface Inspection ☒
13. Production injection ☒
14. E Well on Prod. Dir. Sur. ☒

1. Location change (F-OGD165) _____
2. Elevation change (F-OGD165) _____
3. Form OGD121 _____
4. Form OGI59 (Final Letter) _____
5. Form OGD150b (Release of Bond) _____
6. Duplicate logs to archives _____
7. Notice of Records due (F-OGD170) _____

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVED ✓ PJK

RELEASE BOND

Date Eligible _____
 (Use date last needed records were received.)

MAP AND MAP BOOK N/C

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ANGE OF WELL STATUS REPORT

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Getty Oil Company Field or County Cat Canyon
Well LA 1-7, Sec. 7, T 8N, R 32W SB B. & M.
A.P.I. No. 083-21129 Name E. F. Gill Title Agent
Date May 14, 1980 (Person submitting report) (President, Secretary or Agent)

Signature *S. F. Gill for E. F. Gill*

P. O. Box 811, Ventura, California 93001

(Address)

(805) 643-2154

(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
3-24-80	G & O Production moved in and rigged up.
3-25-80	Installed BOPE. Pulled out of hole with tubing and packer. Ran in hole with bailer to 5560' (82' fill). Bailed to 5586'. Closed well in till a.m.
3-26-80	Bailed from 5586' to 5600'. Laid bailer down. Closed well in till a.m.
3-27-80	Bled well down. Ran in hole with bridge plug and set at 2800'. Tested casing to surface with 1800 psi - okay. Pulled out of hole with tubing. Rigged up G. O. International and ran Neutron Correlation log from 2800' to 2000'. Ran in hole with wireline perforator gun and shot 4-1/2" holes at 2630'. Broke down holes with 1 1/4 b.p.m. at 1100 psi. Ran in hole with open-ended tubing to 2628'. Rigged up Dowell and displaced 3 sacks of sand with 85 cu. ft. of water on bridge plug. Broke down holes at 8 cu.ft. per minute with 1700 psi. Mixed and pumped 50 cu.ft. of Class "G" cement and displaced with 72 cu.ft. of water. Pulled out of hole with 10 stands of tubing and squeezed cement with 43 cu.ft. of water. Final pressure at 1700 psi. Closed well in till a.m.
3-28-80	Pressure tested casing to 1800 psi. Held okay. Bled off. Pulled out of hole with tubing. Rigged up G. O. International wireline and shot 4-1/2" holes at 2172'. Tested holes at 800 psi. Would not pressure above 800 psi. Rigged up Dowell and ran in hole with tubing to 2167'. Established breakdown of 10 cu.ft. per minute at 1000 psi. Pumped 50 cu.ft. of Class "G" cement and displaced with 62 cu.ft. of water to 2172'. Pulled out of hole with 12 stands of tubing and squeezed cement with 40 cu.ft. of water. Cement in place at 12:30 p.m. Closed well in till a.m.
3-29-80	Pressure tested casing to 1800 psi. Held okay. Pulled out of hole with tubing. Ran in hole with 6-1/8" bit and tagged cement at 2123'. Drilled out to 2169' and broke through at 2170'. Pressure tested casing which did not test. Broke down 1 bbl per minute at 1600#. Pulled out of hole with tubing. Ran in hole with tubing open-ended to 2167'. Rigged up Dowell and established breakdown of 400 cu.ft. per minute at 1600#. Pumped 70 cu.ft. Class "G" cement with 2% calcium and displaced with 57 cu.ft. Pulled out of hole with 12 stands of tubing. Squeezed cement with 6 cu.ft. of water, after which, well packed off. Closed well in till a.m.
3-30-80	Pulled out of hole with tubing. Ran in hole with bit. Drilled out cement from 1869' to 2179'. Circulated clean. Pressure tested holes to surface with 1800 psi. Held okay. Closed well in till a.m.

DIVISION OF OIL AND GAS
GETTY OIL COMPANY
LA 1-7
CAT CANYON FIELD

Page -2- continued---

3-31-80 Pressure tested casing with 1800 psi. Held okay. Continued drilling to bottom plug at 2606' and drilled out to 2646'. Pressure tested holes at 1800 psi - held okay. Circulated hole clean. Swabbed fluid level down to 2390'. Pulled out of hole. Closed well in till a.m.

4-1-80 Rigged up G. O. International DML XXIII charges in 4" hollow carrier guns and jet perforated 4-1/2" holes per foot in the following intervals:

2586' - 2612'	26'
2540' - 2558'	18'
2486' - 2502'	16'
2450' - 2458'	8'
2325' - 2335'	10'
2221' - 2236'	15'
	<u>93'</u>

Rigged down G. O. International. Ran in hole with retrieving tool and pulled out of hole with bridge plug. Well started flowing. Closed well in till a.m.

4-2-80 Bled well down. Ran in hole with packer and 2-7/8" tubing and hydrotested at 4000 psi. Loaded out BOP equipment and landed tubing. Turned hole over with 70 bbls of packer fluid and set packer at 2205' with 9000 lbs tension. Rigged up wellhead and injection lines. Rigged down and moved out.

DEPTH: 5750' PLUG: 2646' ? EFF. DEPTH: 2646' ?

CASING:

20" conductor cmt'd 50'

10-3/4", 40.5#, K-55 ST&C cmt'd @ 449'

7", 23#, K-55, LT&C cmt'd @ 4267'

4-1/2" holes cemented at 2630' & 2172'

4-1/2" holes per foot jet perforated at:

2586' - 2612'	26'
2540' - 2558'	18'
2486' - 2502'	16'
2450' - 2458'	8'
2325' - 2335'	10'
2221' - 2236'	15'
	<u>93'</u>

1458' - 5 1/2" 17# K55 F.J. liner (30 jts.)

5 1/2", 18#, N-80 F.J. liner (5jts.) 5624'

DIVISION OF OIL AND GAS
GETTY OIL COMPANY
LA 1-7
CAT CANYON FIELD

Page -3- continued---

Blank: 4184' - 4267' & 5637' - 5642'
Perfs: 250M, 2"S, 6"C, 16R 4267' - 5637'
TLA 4184'
WSO 4251' Witnessed & approved by D.O.G.

TUBING:

1'	Fatigue Nipple
2190'	2-7/8" EU 8 tubing (71 jts.)
<u>3'</u>	Baker Lokset packer
2194'	
<u>11'</u>	K.B.
2205'	Landed @

(27)

DIVISION OF OIL AND GAS

Report on Operations

(805) 925-2686

E. F. Gill, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria

Calif.

May 8, 1980

Your operations at well "Los Alamos" 1-7, API No. 083-21129, Sec. 7, T. 8N, R. 32W
S.B., B. & M. Cat Canyon Field, in Santa Barbara County, were witnessed
on 5-7-80 by A. Koller, representative of the supervisor, was
present from 1030 to 1130. There were also present P. Blough - Engineer &
L. Baudreau - Logging Engineer
Present condition of well: 20" cem. 50'; 10 3/4" cem. 449'; 7" cem. 4267', cp. 2172 &
2630', perf. @ intervals 2221' - 2612'; 5 1/2" ld. 4184' - 5642', perfs. 4267' -
5637'. T.D. 5750'.

The operations were performed for the purpose of demonstrating that all of the injection fluid
is confined to formations below 2221'.

DECISION: THE OPERATIONS ARE APPROVED AS INDICATING THAT ALL OF THE INJECTION FLUID
IS CONFINED TO FORMATIONS BELOW 2221' AT THIS TIME.

AJK:dv

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M. G. MEFFERT
State Oil and Gas Supervisor
By John L. Gilberti
Deputy Supervisor
John L. Gilberti

Operator Getty Oil Co.Well name and no. 'Los Alamos' 1-7Sec. 7, T. 8N., R. 32W., SB. B&MField Cat CanyonCounty Santa Barbara was tested for watershut-off on May 7, 1980, Mr. A. Koller, representative of the supervisor waspresent from 1030 to 1130. There were also present P. Blough engr.L. Boudreau, logging engr.Casing record of well: 28" cem. 50'; 10 3/4" cem. 449'; 7" cem. 4267', CP 2172', perf.@ int. 2221'-2612'; 5 1/2" Id. 4184'-5642', perfs. 4267'-5637'. T.D. 5750'.The operations were performed for the purpose of demonstrating that all of the injection fluid is confined to formations below 2221'.☐ The _____ " shut-off at _____ ' is approved.☐ The seal between the _____ " and _____ " casings is approved.☒ The operations are approved as indicating that all of the injection fluid is confined to the formations below 2221' at this time.

Hole size: _____ " fr. _____ ' to _____ ', _____ " to _____ ' & _____ " to _____ '.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Note: 200 psi on annulus

Depth or interval tested _____

The hole was open to _____ ' for test.

FORMATION TEST:

Packer(s) _____ ' & _____ ' Tail _____ ' Bean size _____ " Cushion _____

IHP _____ IFP _____ FFP _____ FHP _____

Blow _____

Open for test _____ Hr. _____ min. Fluid entry _____

BAILING TEST:

The hole fluid was bailed to _____ ', at _____ on _____ 19__.

The hole fluid was found at _____ ', at _____ on _____ 19__.

PRODUCTION TEST: (time)

Gauge/meter reading _____ on _____ 19__, at _____ pump depth _____ ' Engr. _____

Gauge/meter reading _____ on _____ 19__, at _____ Engr. _____

Fluid level _____ ' surveyed on _____ 19__, reviewed (witnessed) by _____

Total fluid produced, Bbls. _____ Net oil _____ Water _____

Rate: _____ B/D oil, _____ B/D water, _____ % water cut. 25

INJECTION SURVEY:

RA/Spinner/Temperature survey run at 2070 B/D & 900 psi on May 7, 1980, fluid confined below 2221' (Packer depth 2205')Temp survey shows cooling @ 2340'-2485', no flow below 2505'. Drop cks 2530' =6 B/D, 2292-2308 1/2 = 1758 B/D. Background. Drop check 1980'-2480' = 2040 B/D.OGDS (10-76-GSR1-SM) Wait 3 min @ 2180', log down 2180'-2240', no indication of tracer.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 380-126

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

128
(field code)

21
(area code)

05
(pool code)

E. F. Gill, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

WATER-DISPOSAL PROJECT
WEST AREA

S_{1a} - S₅ SANDS & MONTEREY ZONE

Santa Maria, California
March 3, 1980

Your proposal to alter casing in well "Los Alamos" 1-7
A.P.I. No. 083-21129, Section 7, T. 8N, R. 32W, S.B. B. & M.
Cat Canyon field, West area, Sisquoc pool,
Santa Barbara County, dated 2-12-80, received 2-14-80 has been examined in conjunction with records

filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment, as per Manual No. MO 7, 1980 edition, equivalent to Division of Oil and Gas Class II 1M, shall be installed and maintained in operating conditions at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. The general requirements established in letter dated February 29, 1980 approving the project shall be made part of this report.
4. Copies of all surveys shall be filed with this Division.
5. THIS DIVISION SHALL BE NOTIFIED TO WITNESS all injection-profile surveys referred to in Item 8 of above letter, the first within 90 days after injection has started.

NOTES:

1. An examination of the electric log indicates that the base of freshwater is at 970' at this location. The freshwater will be protected by 10 3/4" casing cemented from shoe to surface and 7" casing cemented through the shoe and through ports at 1887' with cement to the surface. Also, injection will be through tubing on packer.
2. The water to be injected tests 6900 ppm NaCl and is produced from neighboring oil wells.
3. Injection will be into S₂ - S₅ sands and the Monterey zone. Strata in the injection interval contain oil and salt water.
4. Approximate surface location of well: From NW cor Sec. 7, 2300S, 1800E.
5. Water disposal into the Monterey zone into this well was originally approved in report No. P 376-6 dated January 8, 1979.

A copy of this report must be posted at the well site prior to commencing operations.

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AJK:dv
BLANKET BOND
cc: Department of Water Resources
OC111 (4-79-DWRR-5M) Water Quality Control Board

M. C. MEFFERD, State Oil and Gas Supervisor

By John S. Peckert
Deputy Supervisor

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

DIVISION OF OIL AND GAS
RECEIVED

FEB 14 1980

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled. Santa Maria, California

FOR DIVISION USE ONLY		
BOND	OGD114	OGD121
Blanket		2-14-80

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos 1-7, API No. 083-21129, Sec. 7, T. 8N, R. 33W, S. B. B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

1. Total depth.

~~5642'~~ 5750'

2. Complete casing record, including plugs and perforations:

20" c 50' ✓

10-3/4" 40.5# c 449' ✓

7" 23# c 4267' * (WSO) @ 4251', CP 1887' ✓

1458' 5 1/2" 17# L. 5642' ✓

Pf: 4267-5637' ✓

(250M, 2"S, 6"C, 16R)

T.L.A. 4184' ✓

Trend is in West Area. Contours over Monterey put this well in the West Area; contours over S2 put it in the Central Area. will keep it in West Area.

3. Present producing zone name Miocene

Zone in which well is to be recompleted S1A-5 + *
Miocene

4. Present zone pressure

New zone pressure

5. Last produced

(Date)

(Oil, B/D)

(Water, B/D)

(Gas, Mcf/D)

or

6. Last injected Present

(Date)

250

(Water, B/D)

(Gas, Mcf)

1400
(Surface pressure, psig.)

The proposed work is as follows:

1. Kill well and install BOPE.
2. Shoot segregation holes at 2630'. Pressure test & cement if necessary.
3. Shoot 4 segregation holes at 2172'. " " " " " "
4. Jet perforate 2 holes/foot in the following intervals:
2586-2612', 2540-2558', 2486-2502', 2450-2458', 2325-2335', 2221-2236'
5. Set packer at 2220' and return well to injection.
6. Run R/A tracer & temperature survey after 2 weeks of injection.

* Frong/Koller 2/28/80 Well does not take in S1a zone.

It is understood that if changes in this plan become necessary we are to notify you immediately.

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Address P.O. Box 811

Ventura, Ca. 93002

(City)

(State)

(Zip)

Telephone Number 805/643-2154

GETTY OIL COMPANY

(Name of Operator)

By

SP Frong for 2/12/80
(Name) E. F. Gill, Agent (Date)

Type of Organization Corporation

(Corporation, Partnership, Individual, etc.)

DIVISION OF OIL AND GAS

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Getty Oil Company Well No. "Los Alamos" 1-7
 API No. 083-21129 Sec. 7, T. 8N, R. 32W, S.B. B.&M.
 County Santa Barbara Field Cat Canyon

RECORDS RECEIVED

DATE

Well Summary (Form OGI00) 1-25-79
 History (Form OGI03) 1-25-79
 Core Record (Form OGI01) _____
 Directional Survey _____
 Sidewall Samples _____
 Other _____
 Date final records received _____
 Electric logs: 1-25-79
7-20-79

STATUS

STATUS

Producing - Oil	_____	Water Disposal	<input checked="" type="checkbox"/>
Idle - Oil	_____	Water Flood	_____
Abandoned - Oil	_____	Steam Flood	_____
Drilling - Idle	_____	Fire Flood	_____
Abandoned - Dry Hole	_____	Air Injection	_____
Producing - Gas	_____	Gas Injection	_____
Idle - Gas	_____	CO ₂ Injection	_____
Abandoned - Gas	_____	LPG Injection	_____
Gas-Open to Oil Zone	_____	Observation	_____
Water Flood Source	_____		
DATE	<u>11/13/78</u>		
RECOMPLETED	_____		
REMARKS	_____		

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) _____
2. Electric Log _____
3. Operator's Name _____
4. Signature _____
5. Well Designation _____
6. Location _____
7. Elevation _____
8. Notices _____
9. "T" Reports hold for R/A Survey ✓
10. Casing Record _____
11. Plugs _____
12. Surface Inspection _____
13. ~~Production~~ Injection ✓
14. E Well on Prod. Dir. Sur. _____

CLERICAL CHECK LIST

1. Location change (F-OGD165) _____
2. Elevation change (F-OGD165) _____
3. Form OGD121 _____
4. Form OGI59 (Final Letter) _____
5. Form OGD150b (Release of Bond) _____
6. Duplicate logs to archives _____
7. Notice of Records due (F-OGD170) _____

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVED ✓ PTK

RELEASE BOND

Date Eligible _____

(Use date last needed records were received.)

MAP AND MAP BOOK 310 7/21/79 PTK

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Getty Oil Company

CHANGE OF WELL STATUS REPORT

SECTION 7	TOWNSHIP 8N	RANGE 32W	B & M S.B.	LOCATION 10,097.31'S & 1757.33'E from E $\frac{1}{4}$ corner of Sec. 36
DISTRICT Coastal	AREA Santa Maria	LEASE & WELL Los Alamos 1-7	FIELD Cat Canyon	
COUNTY AND STATE Santa Barbara, California	OPERATOR Getty Oil Company		GOC FILE NO.	GOC WORKING INT.

TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS	TYPE OF COMPLETION <input checked="" type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE	OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS
DATE OF CHANGE 11-13-78	REASON FOR STATUS CHANGE		METHOD OF COMPLETION

<input type="checkbox"/> OIL COMPLETION (FIRST FORMATION OIL PRODUCED) <input type="checkbox"/> GAS COMPLETION <input checked="" type="checkbox"/> RE-COMPLETION <input type="checkbox"/> INITIAL PRODUCTION		BOTTOM HOLE LOCATION 9563.67' S & 2232.26' E from E $\frac{1}{4}$ corner of Sec. 36 <input type="checkbox"/> RESUMPTION OF PRODUCTION <input type="checkbox"/> CESSATION OF PRODUCTION <input type="checkbox"/> IDLE <input type="checkbox"/> PLUGGED & ABANDONED	<input type="checkbox"/> PUMP <input type="checkbox"/> GAS LIFT <input type="checkbox"/> FLOW <input checked="" type="checkbox"/> INJECTION WATER <input checked="" type="checkbox"/> GAS
---	--	--	---

WELL DATA				PRODUCTION TEST DATA								
PRODUCING ZONE	PERFS. (sl, gp, ip)	PRODUCTION INTERVAL FROM	TO	BOPD	GAS MCFPD	CHOKE /64"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
Monterey Frac. Shale	sl	4267'	5637'									

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED?

DIVISION OF OIL AND GAS RECEIVED

Map No.	Map Letter	Sond No.	Form
			115 114 121
			121-79

JAN 25 1979

Santa Maria, California

REASON FOR PLUG & ABANDONMENT

TOTAL DEPTH: 5750'		PLUGGED DEPTH: 5650'		(eff. depth 5642')		GROUND ELEVATION: 854.24'		POINT OF DEPTH MEASUREMENT: KB 11		FT. ABOVE GROUND	
SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTHS	CASING PACKER DEPTHS (IF ANY)		
20"	50'	Surface				Conductor					
10-3/4"	449'	Surface	40.5#	New	K55 ST&C	20"	500 cuft				
7"	4267'	Surface	23#	New	K55 LT&C	9-7/8"	2200 cuft	4251'			
5 1/2"	5642'	4184'	17#	New	K55 N80 FJ	6 1/4"					

JUNK:

Converted to water injector

REMARKS: SUBMITTED BY AGENT S.P. Froning Operations Engineering Supervisor	TITLE S.P. Froning Operations Engineering Supervisor	DATE 1-17-79
---	--	-----------------

DISTRICT ON DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PROP-ERTIES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RE-ABANDONMENTS ONLY)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR Getty Oil Company FIELD Cat CanyonWell No. Los Alamos, Sec. 7, T. 8N, R. 32W, S.B.B. & M.Date January 17, 19 79

Signed

S.P. Froning
S.P. Froning

P.O. Box 811, Ventura, Ca. 93001 (643-2154)

(Address)

(Telephone Number)

Title Operations Engineering

AGENT

(President, Secretary or Agent)

Supervisor

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

CONVERTED TO WATER INJECTOR

11-12-78 G & O Production hoist moved in and rigged up. Pulled rods and pump.
Laid down 38 joints of tubing. Ran 7" scraper to 4174'.

11-13-78 Ran and set Baker packer at 4093'. Filled annulus and tested to 1500 psi. Held okay. Rigged down and moved out.

Depth: 5750' Plug: 5650' Eff. Depth: 5642'

Casing: 20" conductor cmt'd 50'
10-3/4", 40.5#, K-55 ST&C cmt'd at 449'
7", 23#, K-55, LT&C cmt'd at 4267'
1458' - 5 1/2" 17# K55 F.J. liner (30 jts.)
5 1/2" 18# N-80 F.J. liner (5 jts.) 5624'
Blank: 4184' - 4267' & 5637' - 5642'
Perfs: 250M, 2"S, 6"C, 16R 4267' - 5637'
TLA: 4184'
WSO: 4251' Witnessed & approved by D.O.G.

Tubing: 1' Fatigue Nipple
4079' 2-7/8" tubing (132 jts.)
4' Baker Lokset
4084'
11' K.B.
4095' Landed @

Rods: None

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DIVISION OF OIL AND GAS

Report on Operations
(805) 925-2686

E. F. Gill, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

Santa Maria Calif.
July 16, 1979

Your operations at well "Los Alamos" 1-7, API No. 083-21129, Sec. 7, T. 8N R. 33W
S.B., B. & M. Cat Canyon Field, in Santa Barbara County, were witnessed
on 7-11-79 by P. Kinnear, representative of the supervisor, was
present from 1000 to 1800. There were also present R. Macias - Test Engineer

Present condition of well: 20" cem. 50'; 10 3/4" cem. 449'; 7" cem. 4267' cp. 1887'; perf.
4251' W.S.O.; 5 1/2" ld. 4184' - 5642', perf. 4267' - 5637'. T.D. 5750'. E.D. 5650'.

The operations were performed for the purpose of demonstrating that all of the injection fluid
is entering the intended zone.

DECISION: THE OPERATIONS ARE APPROVED AS INDICATING THAT ALL OF THE INJECTION FLUID IS
ENTERING FORMATIONS BELOW 4267' AT THIS TIME.

PJK:dv

19
By M. G. MEFFERD
State Oil and Gas Supervisor
John L. Zulberti
Deputy Supervisor

DIVISION OF OIL AND GAS
R/A Tracer WATER SHUT-OFF TEST

No. T 279-208

Operator GETTY OIL Co

Well name and no. "Los Alamos" 1-7 Sec. 7, T. 8N, R. 33W, SB B&M

Field Cat Canyon, County Santa Barbara was tested for water shut-off on 7/11/79, Mr. Pat Kinnear, representative of the supervisor was present from 1000 to 1800. There were also present

R. Macias - Test eng.

Casing record of well: CP 1887

20" cen 50' - 10 3/4" cen 449'; 7" cen 4262' perf. 4251' wso; 5 1/2" id. 4184' - 5642, perf 4262' - 5632'. T.D. 5750'. E.D. 5650'.

The operations were performed for the purpose of demonstrating that all of the injection fluid is entering the intended zone.

- ☐ The _____ " shut-off at _____ ' is approved.
- ☐ The seal between the _____ " and _____ " casings is approved.
- ☒ The operations are approved as indicating that all of the injection fluid is ^{entering} ~~confined~~ to the formations below 4262 ' at this time.

Hole size: _____ " fr. _____ ' to _____ ', _____ " to _____ ' & _____ " to _____ '.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Depth or interval tested Shoe & Top perf @ 4262 (pick up @ 5636)

The hole was open to _____ ' for test.

FORMATION TEST:

Packer(s) _____ ' & _____ ' Tail _____ ' Bean size _____ " Cushion _____

IHP _____ IFP _____ FFP _____ FHP _____

Blow _____

Open for test _____ Hr. _____ min. Fluid entry _____

BAILING TEST:

The hole fluid was bailed to _____ ', at _____ on _____ 19__.

The hole fluid was found at _____ ', at _____ on _____ 19__.

PRODUCTION TEST:

Gauge/meter reading _____ on _____ 19__, at _____ pump depth _____ ' Engr. 18

Gauge/meter reading _____ on _____ 19__, at _____ Engr. _____

Fluid level _____ ' surveyed on _____ 19__, reviewed (witnessed) by _____

Total fluid produced, Bbls. _____ Net oil _____ Water _____

Rate: _____ B/D oil, _____ B/D water, _____ % water cut

INJECTION SURVEY:

RA/Spinner/Temperature survey run at 330 B/D & 1250 psi on 7/11 1979.
fluid confined below 4262 ' (Packer depth 4095 ')

Temp break @ 5225 - Top perf & shoe OK - soT @ 4150 + int R/A - slug by post haste + wait 300 sec up 50' & log drn Kick @ 4206' & 4250 up log drn

OGD8 (10-76-GSR1-5M) Csw Valve open - Pressure Tested To 1500 psi 11/14/78

Fm 4150 Kick @ 4206* = Top perf

PKV CK set @ 4050 & 172 R/A ~~by~~

Wait 120 sec Log dr OK 4200' Kick 4175 ↓

DC 3900-3950 = 326 B/D

✓ 500-550 = 397 B/D

Suspect Rate Slux.

* possibly R/A Tracer in liner lap due to well back-flowing
while shut in

17

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

Santa Maria, California

S. P. Froning, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

WATER-DISPOSAL PROJECT
WEST AREA
MONTEREY ZONE

January 8, 1979

AREA CODE: 21
POOL CODE: 10

Your convert to
proposal to water disposal well "Los Alamos" 1-7
(Name and number)

....., A.P.I. No. 083-21129, Section 7, T. 8N, R. 32W

S.B. B. & M., Cat Canyon field, Santa Barbara County,

dated 11-10-78, received 11-13-78, has been examined in conjunction
with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The general requirements established in letter dated October 4, 1976, approving the project, shall be made part of this report.
2. Copies of all surveys shall be filed with this Division.
3. THIS DIVISION SHALL BE NOTIFIED TO WITNESS all injection-profile surveys referred to in Item 5 of above letter, the first within 30 days after injection has started.

NOTES:

1. The base of freshwater is above the shoe of the surface casing. The freshwater will be protected by 10 3/4" casing cemented at 449' from shoe to surface and 7" casing cemented through the shoe and through ports at 1887' with cement to the surface. Also, injection will be through tubing on packer.
2. The water to be injected tests 7000 ppm NaCl and is produced from neighboring oil wells.
3. Injection will be into Monterey and Pt. Sal zones. Strata in the injection interval contain oil and salt water.
4. Approximate surface location of well: From NW cor Sec. 7, 2300S, 1800E.

AJK:dv
BLANKET BOND
cc: Department of Water Resources
Regional Water Quality Control Board

M. G. MEFFERD
State Oil and Gas Supervisor
By *John L. Zulberti*
Deputy Supervisor
John L. Zulberti

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

DIVISION OF OIL AND GAS
RECEIVED

NOV 13 1978

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	OGD114	OGD121
Blanket		11-13-78 mjm

Santa Barbara, California

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos #1-7, API No. 083-21129,

Sec. 7, T. 8N, R. 32W, S.B. B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

1. Total depth. 5750'; eff. depth 5642'
2. Complete casing record, including plugs and perforations:

20" c 50' ✓
10 3/4" 40.5# K-55 ST&C c 449' *rets.* ✓
7" 23# K-55 LT&C c 4267' *WSO at shoe* CP 1887'(rets.)* ✓
1458'- 5 1/2" 17# K-55 & N-80 F.J. L 5642' ✓
Pf: 4267-5642' (250M x 2"S x 16R x 6"C) ✓
T.L.A. 4184' ✓

*Witnessed and approved by D.O.G.

3. Present producing zone name Miocene Zone in which well is to be recompleted Miocene
4. Present zone pressure 150 ± psi *surface* New zone pressure 150 ± psi *surface*
5. Last produced 6/78 3 93 1
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)
or
6. Last injected _____
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows: CONVERT TO WASTE WATER DISPOSAL WELL

1. Clean out to 5642'.
2. Run and set packer at 4123'±.
3. Place well on injection.

Injection will be through tubing and packer. Disposal water is from S-1B through Miocene zones. Estimated injection rate is 1000± BWPD at 1300± psi surface pressure.

15

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura California 93001
(City) (State) (Zip)
Telephone Number (805) 643-2154

GETTY OIL COMPANY
(Name of Operator)
By SPEER 11/10/78
(Name) (Date)
D.R. GREENE, Agent
Type of Organization _____
(Corporation, Partnership, Individual, etc.)

DIVISION OF OIL AND GAS

CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Getty Oil Company Well No. "Los Alamos" 1-7
 API No. (083-21129) Sec. 7, T. 8N, R. 32W, S.B. B.&M.
 County Santa Barbara Field Cat Canyon

RECORDS RECEIVED

DATE

Well Summary (Form OGI00) 4-19-78
 History (Form OGI03) 4-19-78
 Core Record (Form OGI01) 4-24-78
 Directional Survey 4-24-78
 Sidewall Samples _____
 Other _____
 Date final records received _____
 Electric logs: 4-19-78
Densilog, Computed Dip log

STATUS

STATUS

Producing - Oil _____ Water Disposal _____
 Idle - Oil _____ Water Flood _____
 Abandoned - Oil _____ Steam Flood _____
 Drilling - Idle _____ Fire Flood _____
 Abandoned - Dry Hole _____ Air Injection _____
 Producing - Gas _____ Gas Injection _____
 Idle - Gas _____ CO2 Injection _____
 Abandoned - Gas _____ LPG Injection _____
 Gas-Open to Oil Zone _____ Observation _____
 Water Flood Source _____
 DATE 12/1/77
 RECOMPLETED _____
 REMARKS _____

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.) ✓
2. Electric Log ✓
3. Operator's Name ✓
4. Signature ✓
5. Well Designation ✓
6. Location ✓
7. Elevation ✓
8. Notices ✓
9. "T" Reports ✓
10. Casing Record ✓
11. Plugs ✓
12. Surface Inspection ✓
13. Production ✓
14. E Well on Prod. Dir. Sur. ✓

CLERICAL CHECK LIST

1. Location change (F-OGD165) _____
2. Elevation change (F-OGD165) _____
3. Form OGD121 _____
4. Form OGI59 (Final Letter) _____
5. Form OGD150b (Release of Bond) _____
6. Duplicate logs to archives _____
7. Notice of Records due (F-OGD170) _____

Request Directional Survey

Hold for satisfactory prod.

No 77 prod report 1/3/78.

12/77 478 oil

1/78 281 bbls.

2/78 147 "

SI 10/78 mfiche

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVED

RELEASE BOND

Date Eligible _____

(Use date last needed records were received.) will

MAP AND MAP BOOK Convert TO WD

LOS ALAMOS NO. 1-7

DATE-11- 7-77

A

STA- TION NO	MEASURED DEPTH FT	COURSE LENGTH FT	DRIFT ANGLE DEG MIN	VERTICAL DEPTH FT	TRUE VERTICAL DEPTH FT	COURSE DEVI- ATION FT	DRIFT DIRE- CTION DEG MIN	COORDINATE DIFFERENCES *****				RECTANGULAR COORDINATES *****			
								NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST
1	0.	0.	0 0	0.0	0.0	0.0	0 0					0.0	0.0	0.0	0.0
2	439.	439.	0 45	438.96	438.96	5.75	N 8 0 W	5.69			0.80	5.69	0.0	0.0	0.80
3	749.	310.	1 15	309.93	748.89	6.76	N 10 0 W	6.66			1.17	12.35	0.0	0.0	1.97
4	1093.	344.	1 30	343.88	1092.77	9.00	N 28 0 E	7.95		4.23		20.30	0.0	2.26	0.0
5	1406.	313.	1 30	312.89	1405.66	8.19	S 78 0 W		1.70		8.01	18.60	0.0	0.0	5.75
6	1720.	314.	2 30	313.70	1719.36	13.70	N 72 0 W	4.23			13.03	22.83	0.0	0.0	18.78
7	2032.	312.	4 0	311.24	2030.60	21.76	N 45 0 E	15.39		15.39		38.22	0.0	0.0	3.39
8	2345.	313.	4 30	312.03	2342.64	24.56	N 40 0 E	18.81		15.79		57.03	0.0	12.40	0.0
9	2661.	316.	4 30	315.03	2657.66	24.79	N 44 0 E	17.83		17.22		74.86	0.0	29.62	0.0
10	2974.	313.	4 30	312.03	2969.70	24.56	N 45 0 E	17.36		17.36		92.22	0.0	46.94	0.0
11	3280.	306.	5 15	304.72	3274.42	28.00	N 42 0 E	20.81		18.74		113.03	0.0	65.72	0.0
12	3584.	304.	5 45	302.47	3576.89	30.46	N 37 0 E	24.32		18.33		137.35	0.0	84.05	0.0
13	3887.	303.	6 30	301.05	3877.94	34.30	N 36 0 E	27.75		20.16		165.10	0.0	104.21	0.0
14	4100.	213.	8 0	210.93	4088.87	29.64	N 32 0 E	25.14		15.71		190.24	0.0	119.92	0.0
15	4263.	163.	8 15	161.31	4250.18	23.39	N 31 0 E	20.05		12.05		210.29	0.0	131.97	0.0
16	4541.	278.	12 15	271.67	4521.84	58.99	N 29 0 E	51.59		28.60		261.88	0.0	160.57	0.0
17	4603.	62.	14 0	60.16	4582.00	15.00	N 32 0 E	12.72		7.95		274.60	0.0	168.52	0.0
18	4653.	50.	15 30	48.18	4630.18	13.36	N 34 0 E	11.08		7.47		285.68	0.0	175.99	0.0
19	4757.	104.	17 30	99.19	4729.36	31.27	N 39 0 E	24.30		19.68		309.98	0.0	195.67	0.0
20	4834.	77.	18 30	73.02	4802.38	24.43	N 41 0 E	18.44		16.03		328.42	0.0	211.70	0.0
21	4941.	107.	19 45	100.71	4903.09	36.16	N 44 0 E	26.01		25.12		354.43	0.0	236.82	0.0
22	5031.	90.	20 15	84.44	4987.52	31.15	N 47 0 E	21.24		22.78		375.67	0.0	259.60	0.0
23	5125.	94.	20 15	88.19	5075.71	32.53	N 46 0 E	22.60		23.40		398.27	0.0	283.00	0.0
24	5437.	312.	22 0	289.28	5364.99	*****	N 51 0 E	73.55		90.43		471.82	0.0	373.83	0.0

13

LOS ALAMOS NO. 1-7

DATE-11- 7-77

STA- TION NO	MEASURED DEPTH FT	COURSE LENGTH FT	DRIFT ANGLE DEG MIN	VERTICAL DEPTH FT	TRUE VERTICAL DEPTH FT	COURSE DEVIATION FT	DRIFT DIRE- CTION DEG MIN	COORDINATE DIFFERENCES ***** NORTH SOUTH EAST WEST	RECTANGULAR ***** NORTH SOUTH EAST WEST	COORDINATES ***** NORTH SOUTH EAST WEST
25	5530.	93.	23 0	85.61	5450.59	36.34	N 53 0 E	21.87	29.02	493.69 0.0 402.85 0.0
26	5750.	220.	22 0	203.98	5654.57	82.41	N 61 0 E	39.95	72.08	533.64 0.0 474.93 0.0

12

LOS ALAMOS NO. 1-7

11/ 7/77

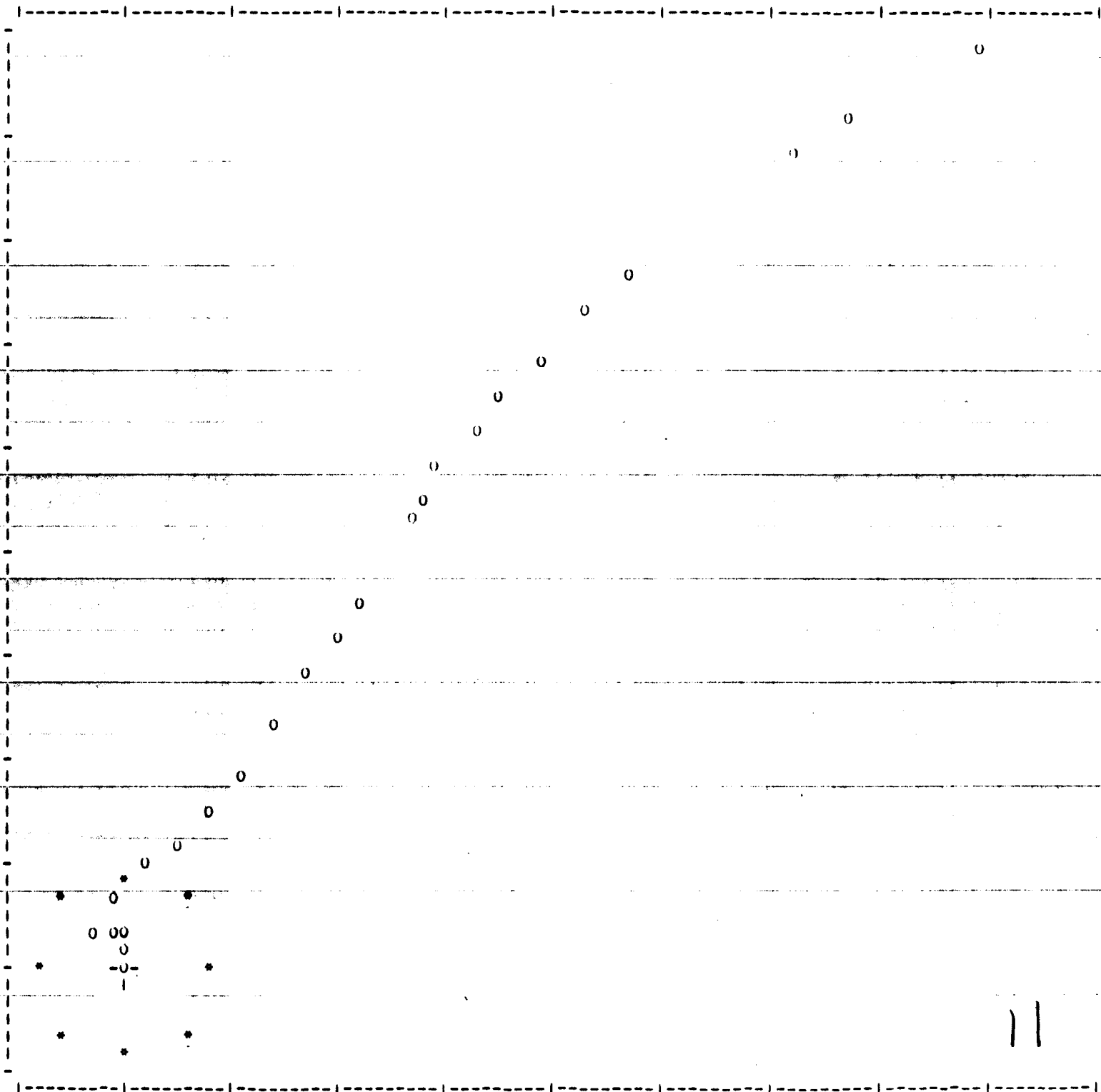
SCALE:

1 IN. = 60. FT.

TARGET #:

RADIUS: 50.0 FT.

0.0E 0.0N



Getty Oil Company

CHANGE OF WELL STATUS REPORT

SECTION 7	TOWNSHIP 8N	RANGE 32W	B & M S.B.	LOCATION 10,097.31'S & 1757.33'E from E $\frac{1}{4}$ corner of Sec. 36
DISTRICT Coastal	AREA Santa Maria	LEASE & WELL "Los Alamos" 1-7	FIELD Cat Canyon	
COUNTY AND STATE Santa Barbara, California	OPERATOR Getty Oil Company		GOC FILE NO.	GOC WORKING INT.

TYPE OF WELL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS	TYPE OF COMPLETION <input checked="" type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE	OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	<input checked="" type="checkbox"/> OIL <input type="checkbox"/> GAS
DATE OF CHANGE 12-1-77	REASON FOR STATUS CHANGE		METHOD OF COMPLETION

<input type="checkbox"/> OIL COMPLETION (FIRST FORMATION OIL PRODUCED)	BOTTOM HOLE LOCATION 9563.67' S & 2232.26' E from E $\frac{1}{4}$ corner of Sec. 36.	<input type="checkbox"/> RESUMPTION OF PRODUCTION <input type="checkbox"/> CESSATION OF PRODUCTION <input type="checkbox"/> IDLE <input type="checkbox"/> PLUGGED & ABANDONED	<input checked="" type="checkbox"/> PUMP <input type="checkbox"/> GAS LIFT <input type="checkbox"/> FLOW <input type="checkbox"/> INJECTION WATER _____ GAS _____
<input type="checkbox"/> GAS COMPLETION			
<input type="checkbox"/> RE-COMPLETION			
<input checked="" type="checkbox"/> INITIAL PRODUCTION			

(CORRECTED HISTORY)

WELL DATA				PRODUCTION TEST DATA								
PRODUCING ZONE	PERFS. (sl, gp, ip)	PRODUCTION INTERVAL		BOPD	GAS MCFPD	CHOKE /64"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
		FROM	TO									
Monterey Frac. Shale	sl	4267'	5637'	1							96	

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED?

DIVISION OF OIL AND GAS
RECEIVED

JAN 25 1979

Santa Maria, California

Map No.	Map Letter	Band No.	Form
			115 114 121

REASON FOR PLUG & ABANDONMENT

TOTAL DEPTH:		5750		PLUGGED DEPTH:		5650		(Eff. depth 5642')		GROUND ELEVATION:		854.24'		POINT OF DEPTH MEASUREMENT:		KB 11'		FT. ABOVE GROUND	
SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTHS	CASING PACKER DEPTHS (IF ANY)										
20 "	50'	Surface			conductor														
10-3/4"	449'	Surface	40.5#	New	K-55 ST&C	20"	500 cu. ft.												
7"	4267'	Surface	23#	New	K-55 LT&C	9-7/8"	2200 cu. ft.	4251'											
5 1/2"	5642'	4184'	17#	New	K-55 N-80 FJ	6 1/2"													

JUNK:

REMARKS: SUBMITTED BY New well SPF	TITLE S. P. Froning	DATE 11-14-78
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AGENT Operations Engineering Supervisor

DISTRIBUTION: DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PERCENTAGES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RECOMPLETIONS ONLY).

30981-708 2-75 10M 12/ GSP

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR Getty Oil Company FIELD Cat Canyon

Well No. Los Alamos 1-7, Sec. 7, T. 8N, R. 32W, S.B.B. & M.

Date November 14, 19 78

Signed _____
S. P. Froning

P.O. Box 811, Ventura, CA 93001 (805-643-2154) Title Operations Engineering Supervisor
(Address) (Telephone Number) (President, Secretary or Agent)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
11-1-77	Camrich Drilling Company moved in and rigged up. Spudded in @ 4:00 p.m. Drilled 14-3/4" hole from 40' to 439' (399'). Mud 71, Vis 70, w.l. 0.
11-2-77	Dropped slips in hole, breaking out bit sub. Fished for slips.
11-3-77	Drilled 14-3/4" hole from 439' - 449' (10'), working over fish.
11-4-77	Ran 10-3/4", K-55 ST&C 40.5# casing with Baker fill-up shoe, 2 centralizers on bottom joint, with insert valve on top of second joint. Shoe at 449'. Pumped 500 cu. ft. Class "G" cement with 4% gel, 2% CaCl ₂ . Displaced with 214 cu. ft. mud with 50 cu. ft. returns. Cement in place at 4:50 a.m.. Ran in hole. Tagged cement at 398'. Tested casing at 1000 psi. Tested all BOP. Drilled out float and cement to 437'. Tested casing to 500 psi. No good.
11-5-77	Bled off at 500 psi. Retested. Bled off. Pulled out of hole. Ran in hole open-ended to 426'. Laid 57 cu. ft. cement with 2% CaCl ₂ . Pulled up to 180'. Closed pipe rams and squeezed. Displaced 19 cu. ft. at 500 psi. Built up to 900 psi and held at 2:30 a.m. Ran in hole with drilling assembly. Tested casing at 1000 psi. Okay. Tested BOE for D.O.G. at 1400 psi. Okay. Drilled out shoe at 449'. Drilled 9-7/8" hole from 449' - 779' (330'). Mud 66#, Vis 38 sec., w.l. 8.8 c.c.
11-6-77	Drilled 9-7/8" hole from 779' - 1295' (516'). Mud 67#, Vis. 44 sec., w.l. 7.6 c.c.
11-7-77	Drilled 9-7/8" hole from 1295' - 2005' (710'). Mud 69#, Vis. 42 sec., w.l. 8.4 c.c.
11-8-77	Drilled 9-7/8" hole from 2005' - 2597' (592'). Mud 69#, Vis. 46 sec., w.l. 7.6 c.c.
11-9-77	Drilled 9-7/8" hole from 2597' - 3146' (549'). Mud 69#, Vis. 46 sec., w.l. 10.0 c.c.
11-10-77	Drilled 9-7/8" hole from 3146' - 3246' (100'). Mud 69#, Vis. 46 sec. Worked on rig.
11-11-77	Reamed hole from 3130' to 3246'. Drilled 9-7/8" hole from 3246' to 3537' (291'). Mud 68#, Vis 46 sec., w.l. 8.0 c.c.
11-12-77	Drilled 9-7/8" hole from 3537' - 3830' (293'). Mud 70#, Vis. 46 sec., w.l. 9.6 c.c.

- 11-13-77 Drilled 9-7/8" hole from 3830' - 3990' (160'). Mud 69#, Vis. 47 sec., w.l. 7.4 c.c.
- 11-14-77 Drilled 9-7/8" hole from 3990' - 4110' (120'). Mud 71#, Vis. 42 sec., w.l. 7.3 c.c. Circulated hole for loggers. Ran logs - DIL.
- 11-15-77 Drilled 9-7/8" hole from 4110' to 4263' (153'). Mud 71#, Vis. 50 sec., w.l. 7.3 c.c. Wiped hole for loggers. Ran DIL & Density logs.
- 11-16-77 Continued running logs.
- 11-17-77 Ran 109 joints 7", 23# casing with guide shoe and float collar at top of second joint, with 5 centralizers. Ran 61 joints with cement basket 30' below DV collar. 5 centralizers above. Rigged up B.J. to circulated down to 4268'.
- 1st stage
750 gal mud sweep
900 cu. ft. 1:2 perfalite, 40% silica flour
100 cu. ft. Class G, 40% silica flour
929 cu. ft. mud displacement
Drop DV bomb
- 2nd stage
750 gal mud sweep
900 cu. ft. 1:2 perfalite, 40% silica flour
200 cu. ft. Class G, 40% silica flour
415 cu. ft. mud displacement
135 cu. ft. returns
Cement in place at 2:40 p.m.
- Shoe at 4267', float at 4203', D.V. at 1885'.
Tore out BOPE.
- 11-18-77 Ran in hole to 1885'. Tested pipe rams to 1000 psi. Okay. Ran in hole to 4203'. Tested casing to 1000 psi. Okay. Cleaned out cement to 4247'. Tested casing to 1000 psi. Okay. Drilled out shoe and drilled 6 1/4" hole from 4263' to 4272' (9'). Circulated clean. Pulled out of hole for WSO test. Ran in hole with packer. Set at 4233'. Tail at 4251'. D.O.G. approved.
- 11-19-77 Dumped mud pits and cleaned. Mixed polymer mud. Drilled 6 1/4" hole from 4272' to 4444' (172'). Mud 62#, Vis. 32, w.l. 7.5 c.c.
- 11-20-77 Drilled 6 1/4" hole from 4444' to 4613' (169'). Mud 63#, Vis. 31, w.l. 7.5 c.c.
- 11-21-77 Drilled 6 1/4" hole from 4613' to 4834' (221'). Mud 63#, Vis. 31, w.l. 8.0 c.c.
- 11-22-77 Drilled 6 1/4" hole from 4843' to 5038' (195'). Mud 63#, Vis. 31, w.l. 7.5 c.c.

11-23-77 Drilled 6¼" hole from 5038' to 5163' (125'). Mud 64#, Vis. 31, w.l. 7.5 c.c.
 11-24-77 Drilled 6¼" hole from 5163' to 5361' (198'). Mud 64#, Vis. 31, w.l. 7.5 c.c.
 11-25-77 Drilled 6¼" hole from 5361' to 5627' (266'). Mud 64#, Vis. 32, w.l. 7.5 c.c.
 11-26-77 Drilled 6¼" hole from 5627' to 5750' (123'). Wiped hole to shoe. Conditioned hole for loggers. Ran logs, old style electric logs and Dipmeter.
 11-27-77 Continued running logs. Ran in hole open-ended to 5749'. Set cement plug of 26 cu. ft. Class G, 2% CaCl₂. Displaced with 235 cu. ft. mud. Cement in place at 4:55 p.m. Pulled out of hole. Ran in hole. Tagged cement at 5608'. Drilled out to 5650'. Circulated clean. Ran 35 joints 5½" liner with Burns lead seal adapter to 5642'. Top of liner at 4184'.
 11-28-77 Changed over to lease water. Laid down drill pipe & 2-7/8" tubing. Tore out BOPE. Cleaned mud pits. Wellhead secured & rig released at 9:00 p.m.
 12-1-77 G & O Production hoist moved in and rigged up. Ran tubing, rods and pump. Spaced and clamped off. Rigged down and moved out.
 Depth: 5750', Plug 5650', eff. depth 5642'

Casing

20" Conductor cmt'd at 50' to surface
 10-3/4", K-55 ST&C 40.5# Shoe at 449'
 7", 23#, K-55 LT&C Shoe at 4267'

Liner

30 jts. 5½" K-55 F.J.
 5 jts. 5½" N-80 F.J.
 Blank: 4184' - 4267' & 5637' - 5642'
 Perfs: 250M, 2"S, 6"C, 16R 4267' - 5637'
 TLA 4184'

Tubing

1' Fatigue Nipple
 5416' 2-7/8" EUE 8R tubing (176 jts.)
 1' Pump shoe
 31' 2-7/8" EUE 8Rd Gas Anchor
 5449' Overall
 11' K.B.
 5460' Landed @

Rods

51 - 1"; 58 - 7/8"; 70 - 3/4" Electra, solid

Well Gauges

<u>Date</u>	<u>Gross</u>	<u>Cut</u>	<u>Water</u>	<u>Net</u>
12-23-77	9	96	8	1
12-24-77	8	96	7	1
12-25-77	32	96	31	1
12-26-77	21	95	20	1

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
(805) 925-2686
Report on Operations

No. T. 377-463

Mr. D. R. Greene, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

Santa Maria Calif.
November 22, 1977

DEAR SIR:

Operations at well No. "Los Alamos" 1-7, API No. 083-21129, Sec. 7, T. 8N, R. 32W,
S.B. B & M. Cat Canyon Field, in Santa Barbara County, were witnessed
on November 18, 1977. Mr. P. J. Kinnear, representative of the supervisor was
present from 2230 to 2240. There were also present B. Curnow, drilling foreman
and W. Swearingen, tester engineer.
Present condition of well: 10 3/4" cem 449'; 7" cem 4267' wso, cp 1887'. T.D. 4272'.

The operations were performed for the purpose of witnessing a demonstration of the 7" wso
by the formation tester method.

DECISION: THE 7" SHUT-OFF AT 4267' IS APPROVED.

No 77 prod Rpt 4/3/78

PJK:lsu

M. G. MEFFERT
~~JOHN F. MATHIAS~~
State Oil and Gas Agency

By

Deputy

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DIVISION OF OIL AND GAS
Formation Tester WATER SHUT-OFF TEST

No. T 377-463

Operator GETTY Oil Co.

Well name and no. "Los Alamos" 1-7 Sec. 7, T. 8N, R. 32W, S&B B&M

Field LaT Can, County Santa Barbara was tested for water shut-off on 11/18/77, Mr. P. Kinnear, representative of the supervisor was present from 2230 to 2240. There were also present

B. Curnow, D.F. + W. Swearingen, Tester Engr

Casing record of well:

10 3/4 com. 449'; 7" com 4267' wso, cp 1887'. T.D. 4292'.

The operations were performed for the purpose of witnessing a demonstration of the 7" wso by The Formation Tester method.

- ☒ The 7 " shut-off at 4267 ' is approved.
- ☐ The seal between the _____ " and _____ " casings is approved.
- ☐ The operations are approved as indicating that all of the injection fluid is confined to the formations below _____ ' at this time.

Hole size: _____ " fr. _____ ' to _____ ', _____ " to _____ ' & _____ " to _____ '.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"	23 #	sfc	4267'	11/17/77	shoe 4267'	1000 FT ³					
					cp 1887'	1100 FT	Returns				

Depth or interval tested shoe @ 4267'
The hole was open to _____ ' for test.

FORMATION TEST:

Packer(s) 4233 ' & _____ ' Tail 4251 ' Bean size 1/2 " Cushion _____
IHP 2050 IFP 10 FFP 10 FHP 2050
Blow puff Blow
Open for test 1 Hr. 0 min. Fluid entry 8' d.1 f/d

BAILING TEST:

The hole fluid was bailed to _____ ', at _____ on _____ 19__.
The hole fluid was found at _____ ', at _____ on _____ 19__.

PRODUCTION TEST:

Gauge/meter reading _____ on _____ 19__, at _____ pump depth _____ ' Engr. _____
Gauge/meter reading _____ on _____ 19__, at _____ Engr. _____
Fluid level _____ ' surveyed on _____ 19__, reviewed (witnessed) by _____
Total fluid produced, Bbls. _____ Net oil _____ Water _____
Rate: _____ B/D oil, _____ B/D water, _____ % water cut

INJECTION SURVEY:

RA/Spinner/Temperature survey run at _____ B/D & _____ psi on _____ 19__,
fluid confined below _____ ' (Packer depth _____ ')

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
(805) 925-2686
Report on Operations

No. T 377-453

Mr. D. R. Greene, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

Santa Maria Calif.
November 8, 1977

DEAR SIR:

Operations at well No. "Los Alamos" 1-7, API No. 083-21129, Sec. 7, T. 8N, R. 32W,
S.B., B & M Cat Canyon Field, in Santa Barbara County, were witnessed
on October 5, 1977. Mr. P.J. Kinnear, representative of the supervisor was
present from 1000 to 1100. There were also present Don Bridges, D.F.

Present condition of well: 10 3/4" cem. 449'. T.D. 449'. cem. bridge 388'-449'.

The operations were performed for the purpose of Testing the blowout prevention equipment
and installation.

DECISION: THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

PJK:lsu

M. G. MEFFERD
~~JOHN K. KINNEAR~~
State Oil and Gas Supervisor

By *John K. Kinnear* Deputy

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DIVISION OF OIL AND GAS
BLOWOUT PREVENTION EQUIPMENT MEMO

T 377-453

Operator GETTY Oil Well "Los Alamos" 1-7 Field Cat Canyon County Santa Barbara

VISITS: Date Engineer Time Operator's Rep. Title
1st 10/5/77 PJ Rindner 000 to 1100 Don Bridges D.F.
2nd 10/7/77 A. BOOST 1020 to 1030

Casing record of well: 10 3/4" csg 449'. T.D. 449'. Cem bridge 388'-449'.

- ✓ OPERATION: Testing (inspecting) the blowout prevention equipment and installation.
✓ DECISION: The blowout prevention equipment and installation are approved.

Proposed Well Opns: Drill MPSP: _____ psi
Hole size: _____" fr. _____' to _____' & _____" to _____'

REQUIRED
BOPE CLASS: III

CASING RECORD (BOPE ANCHOR STRING ONLY)					Cement Details		Top of Cement	
Size	Weight(s)	Grade (s)	Shoe at	CP at			Casing	Annulus
<u>10 3/4</u>	<u>40.5</u>	<u>K-55 ST-40</u>	<u>449</u>		<u>500 cf "G" 4% Gel 2% CaCl</u>			
					<u>Squeeze 50sx G 2% CaCl 1957' out</u>		<u>388'</u>	<u>Ret</u>

BOP STACK							a	b	a/b	TEST DATA			
API Symb.	Ram Sz.	Mfr.	Model or Type	Size In.	Oper. Press	Date Last Overhaul	Gal. to Close	Rec. Time Min.	Calc. GPM Output	psi Drop to Close	Secs. to Close	Test Date	Test Press
<u>Bag</u>		<u>Hydril</u>	<u>GK 10-80</u>			<u>?</u>						<u>11/5</u>	<u>1200</u>
<u>pipe</u>	<u>3 1/2</u>	<u>Steffe</u>	<u>10"</u>			<u>?</u>						<u>11/5</u>	<u>1400</u>
<u>Blind</u>		<u>✓</u>	<u>10"</u>			<u>?</u>						<u>11/5</u>	<u>1400</u>

ACTUATING SYSTEM

Accum. Unit(s) Wkg. Press. 1500 psi
Total Rated Pump Output _____ gpm
Distance From Well Bore 75 ft.

Mfr. Accum. Cap. Precharge
1 Hydril 80 gal. 750 psi
2 (K-80-1500) _____ gal. _____ psi

CONTROL STATIONS Elec. Hyd.
✓ Manif. at accum. unit
✓ Remote at Drlr's stn. ✓
Other:

EMERG. BACKUP SYST. Press. Wkg. Fl.
✓ N2 Cyl No: 3 Tpe: 574 12000 gal
Other: 2 ✓ gal
3 ✓ gal
4 gal
5 gal
6 gal

AUXILIARY EQUIPMENT

	No.	Sz. (in)	Rated Press.	Connections		
				Weld	Flan.	Thrd.
✓ Fill-Up Line						
✓ Kill Line						
✓ Control Valve(s)						
✓ Check Valve(s)						
✓ Auxil. Pump Connec.						
✓ Choke Line						
✓ Control Valve(s)	<u>5</u>					
✓ Pressure Gauge						
✓ Adjustable Choke(s)	<u>2</u>					
✓ Bleed Line						
✓ Upper Kelly Cock						
✓ Lower Kelly Cock						
✓ Standpipe Valve						
✓ Standpipe Pressure Ga.						
✓ Pipe Safety Valve						
✓ Internal Preventer						

REMARKS: will repair leak in Nitrogen line

11/7/77 ENGR. BOOST CHECKED BACK-UP SYSTEM - FAULTY CONNECTION IN NITROGEN LINE HAD BEEN REPLACED WITH NEW FITTINGS AND OPERATED SATISFACTORILY.

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Hole Fluid Type	Weight	Storage-Pits
<u>Gel</u>	<u>70</u>	

REPORT ON PROPOSED OPERATIONS

Santa Maria, California

September 20, 1977

D. R. Greene, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Your.....proposal to drill well "Los Alamos" 1-7
(Name and number)
....., A.P.I. No. (083-21129), Section 7, T. 8N, R. 32W,
S.B. B. & M., Cat Canyon field, Santa Barbara County,
dated 9-13-77, received 9-14-77, has been examined in conjunction
with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment equivalent to Division of Oil and Gas Class III B 3m shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. A copy of the proposal and approval shall be posted at the well site prior to commencing operations.
4. THIS DIVISION SHALL BE NOTIFIED:
 - a. TO INSPECT the blowout-prevention equipment and TO WITNESS a pressure test thereof prior to drilling out the shoe of the surface casing.
 - b. TO WITNESS a test of the 7" water shutoff prior to placing the well on production.

Blanket Bond
AJK:mjn

By M. C. MEEFERD
State Oil and Gas Supervisor
John L. Guilbert
Deputy Supervisor

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DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

SEP 14 1977

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
310	9/24/77 pdk	✓	Blanket		9-14-77 mjm

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. "Los Alamos" #1-7, API No. (083-21129),
(Assigned by Division)

Sec. 7, T. 8N, R. 32W, S.B. B. & M., Cat Canyon Field, Santa Barbara County.

Legal description of mineral-right lease, consisting of _____ acres, is as follows: _____
(Attach map or plat to scale)

Do mineral and surface leases coincide? Yes X No ____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of well 10,097.31 feet South ~~along section line~~ ^{property} and 1757.33 feet East
(Direction) (Direction)

~~at right angles to said line~~ from the E₄ corner of section 36 or

If well is to be directionally drilled, show proposed coordinates at total depth _____

Elevation of ground above sea level 854.24 feet.

All depth measurements taken from top of K.B. which is 11 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

KB 865'

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
20"	-	-	Surface	50'	50'	Surface
10 3/4"	40.5	K-55, ST&C	Surface	400'	400'	Surface
7"	23	K-55, LT&C	Surface	3965'±	1900'± 3965'±	Surface
5 1/2"	17	K-55, F.J.	3855'±	5485'±	-	-

(A complete drilling program is preferred and may be submitted in lieu of the above program)

Intended zone(s) of completion Monterey Fractured Shale 3965'± - 5485'± Estimated total depth 5485'±
(Name, depth and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura Calif. 93001
(City) (State) (Zip)
Telephone Number (805) 643-2154

By GETTY OIL COMPANY
(Name of Operator)
D.R. (GREENE) 9/13/77
Agent (Date)
Type of Organization _____
(Corporation, Partnership, Individual, etc.)